

INTERNATIONAL SEARCH REPORT

International Application No
/IB2005/050103

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A43B7/22 A43B7/24 A43B13/14 A43B13/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A43B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 01/15560 A (NEGORT AG; MUELLER, KARL) 8 March 2001 (2001-03-08) cited in the application the whole document	1-7
Y	US 2 097 759 A (EHRLICH EDWARD) 2 November 1937 (1937-11-02) the whole document	1-7
A	US 4 620 376 A (TALARICO, II ET AL) 4 November 1986 (1986-11-04) column 8, line 35 - column 11, line 45; figures	1-5
A	US 2002/139011 A1 (KERRIGAN D. CASEY) 3 October 2002 (2002-10-03) paragraphs '0010!, '0013!, '0030! - paragraph '0040!; figures 1-4	1-5
		-/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search

29 April 2005

Date of mailing of the International search report

09/05/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5618 Patenttaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Cianci, S

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2005/050103

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 33 30 178 A1 (STUMPF, JUERGEN, 6400 FULDA, DE) 7 March 1985 (1985-03-07) the whole document	1-5
A	DE 100 00 207 A1 (STUMPF, JUERGEN) 12 July 2001 (2001-07-12) column 2, line 38 - line 54; figures	1
A	US 2002/005000 A1 (CHOI BYOUNG-HOON) 17 January 2002 (2002-01-17) paragraph '0016! - paragraph '0020!; figures 3a-3c	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

/IB2005/050103

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 0115560	A 08-03-2001	CH 694147 A5 AT 278335 T AU 776603 B2 AU 5960900 A BR 0006687 A CA 2343044 A1 WO 0115560 A1 CN 1320019 A CZ 20011278 A3 DE 50008099 D1 DK 1124462 T3 EP 1124462 A1 HU 0103308 A2 JP 2003508098 T MX PA01001926 A NO 20012145 A PL 347372 A1 SI 1124462 T1 TR 200101162 T2 US 6782639 B1 ZA 200100398 A TW 520982 B		13-08-2004 15-10-2004 16-09-2004 26-03-2001 16-04-2002 08-03-2001 08-03-2001 31-10-2001 15-08-2001 11-11-2004 13-12-2004 22-08-2001 28-01-2002 04-03-2003 24-04-2002 20-06-2001 08-04-2002 28-02-2005 21-11-2001 31-08-2004 21-08-2001 21-02-2003
US 2097759	A 02-11-1937	GB 433037 A BE 406522 A NL 41723 C		30-07-1935
US 4620376	A 04-11-1986	NONE		
US 2002139011	A1 03-10-2002	WO 02080718 A1 US 2004040183 A1		17-10-2002 04-03-2004
DE 3330178	A1 07-03-1985	NONE		
DE 10000207	A1 12-07-2001	AT 260580 T WO 0149143 A1 DE 50101603 D1 EP 1244369 A1		15-03-2004 12-07-2001 08-04-2004 02-10-2002
US 2002005000	A1 17-01-2002	AU 5507601 A		21-01-2002